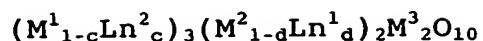


CLAIMS

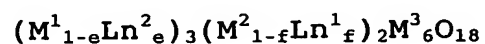
1. a phosphor comprising
a metal oxide comprises at least one metal element M^1
5 selected from the group consisting of Ca, Sr and Ba, at
least one metal element M^2 selected from the group
consisting of Y, La, Gd and Lu, at least one metal element
 M^3 selected from the group consisting of Si and Ge and
oxygen, and
10 at least one metal element Ln^1 selected from the group
consisting of Ce, Pr, Nd, Pm, Sm, Eu, Tb, Dy, Ho, Er, Tm,
Yb, and Mn, as an activator.
2. The phosphor according to claim 1, wherein the metal oxide
is represented by formula
15 $M^1M^2_mM^3_nO_{(2+3m+4n)/2}$
wherein m is from 0.5 to 1.5 and n is from 0.5 to 2.5.
3. The phosphor according to claim 2 which is represented by
formula
 $(M^1_{1-a}Ln^2_a)_2(M^2_{1-b}Ln^1_b)_2M^3_2O_9$
20 wherein Ln^2 is at least one element selected from the group
consisting of Sm, Eu, Yb, and Mn, a is from 0 to 0.5, b
is from 0 to 0.5, and the sum of a and b is not less than
0).
4. The phosphor according to claim 2 which is represented by
25 formula



wherein Ln^2 is at least one element selected from the group consisting of Sm, Eu, Yb and Mn), c is from 0 to 0.5, d is a from 0 to 0.5 and the sum of c and d is not less than

5 0

5. The phosphor according to claim 2 which is represented by formula



wherein Ln^2 is at least one element selected from the group consisting of Sm, Eu, Yb, and Mn, e is from 0 to 0.5, f is from 0 to 0.5, and the sum of e and f is not less than

10 0

6. A vacuum ultraviolet radiation excited light-emitting device comprising the phosphor according to any one of
- 15 claims 1-5.